

Table 5.23-- MAJOR DAMS: 2024

[As of December 31. Includes all dams whose maximum storage equals or exceeds 600 acre-ft.]

Dam name	Nearest city	Purpose	Year completed	Height (ft.)	Length (ft.)	Drainage area (sq. miles)	Maximum storage (acre-ft.)
Waita Reservoir	Koloa, Kauai	Irrigation	1906	23	3,250	3.36	9,900
Wahiawa Dam	Wahiawa, Oahu	Irrigation	1906	88	660	16.70	9,200
Kualapuu Reservoir	Kualapuu, Molokai	Irrigation	1969	57	7,100	0.21	5,082
Kaneohe Dam	Kaneohe, Oahu	Flood control	1980	83	2,200	2.45	4,500
Nuuanu Dam No. 4	Honolulu, Oahu	Flood control	1910	66	2,120	1.40	3,600
Alexander	Kalaheo, Kauai	Hydroelectric	1931	119	600	2.86	2,777
Puukapu Dam	Waimea, Hawaii	Flood control	1965	12	4,340	3.05	1,450
Kapaia Reservoir	Kapaia, Kauai	Irrigation	1910	50	1,050	2.51	1,114
Ku Tree Reservoir	Wahiawa, Oahu	Other	1925	98	550	0.83	1,085
Papuaa Reservoir	Omao, Kauai	Irrigation	1914	43	2,000	1.75	921
Puu Lua Reservoir	Kekaha, Kauai	Fish & wildlife pond	1925	105	640	0.08	888
Wailua Reservoir	Wailua, Kauai	Irrigation	1920	34	1,080	0.88	842
Upper Helemano Reservoir	Waialua, Oahu	Irrigation	1912	46	530	0.45	700
Aepoeha Reservoir	Kukuila, Kauai	Irrigation	1913	42	600	0.81	670

Source: Hawaii State Department of Land & Natural Resources, Engineering Division, Flood Control & Dam Safety Section, records, and Hawaii State Department of Land & Natural Resources, Dam Inventory System <<http://dams.hawaii.gov/Default.aspx>> accessed on March 5, 2025.